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PATENT
(5190-00107)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/060,104
Filed: January 29, 2002
Inventor(s):
David L. Panak and Mark A.
Doucet

Title: HYBRID ELECTRO-
OPTIC CABLE

§ Examiner: Unknown
§ Group/Art Unit: 2874
§ Atty. Dkt. No: 5190-00107
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I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Assistant Commissioner for Patents, Washington, DC 20231, on the date indicated below.

Jeffrey C. Hood

Name of Registered Representative

Jeffrey C. Hood

Signature

4/11/2002

Date

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

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Sir:

Applicant requests consideration of ☒ the references listed on the attached Form PTO-1449 and/or ☐ the additional information identified below in paragraph 3. A copy of each of the references listed on the Form PTO-1449 were previously submitted to or cited by the U.S. Patent and Trademark Office in U.S. Application Serial No. 09/106,826, to which the captioned application is seeking priority under 35 U.S.C. §120. Copies of new references (A1 - A12) are enclosed.

1. This Information Disclosure Statement is submitted:

- a. ☐ within 3 months of the filing date of a national application other than a continued prosecution application under § 1.53(d);
☐ within 3 months of the date of entry of the national stage as set forth in § 1.491 in an International application;

- ☒ before the mailing date of a first Office Action on the merits; or
☐ before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114.
- b. ☐ after the events of above paragraph 1a and prior to the mailing date of a final Office Action or Notice of Allowance, and thus: ☐ the certification of paragraph 2 below is provided, or ☐ a fee of \$180.00 is enclosed.
- c. ☐ after the mailing date of a final Office Action or a Notice of Allowance and prior to payment of the issue fee, and thus: the certification of paragraph 2 below is provided and a fee of \$180.00 is enclosed.
2. It is hereby certified:
- ☐ that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or
- ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in § 1.56 (c) more than three months prior to the filing of the Statement.
3. ☐ Consideration of the following additional information (including any co-pending or abandoned U.S. applications, prior uses and/or sales, etc.) is requested:
4. For each non-English language reference listed on the attached Form PTO-1449:
- ☐ reference is made to an English language translation submitted herewith, and/or
- ☐ reference is made to a foreign patent office search report (in the English language) submitted herewith, and/or
- ☐ reference is made to an English language translation of a foreign patent office search report submitted herewith, and/or
- ☐ reference is made to the concise explanation contained in the specification of the present application at page(s) _____, and/or
- ☐ reference is made to the concise explanation set forth below:
5. ☐ Applicant also offers the following comments for the Examiner's consideration:
6. ☐ Also enclosed is a copy of a foreign search report citing these references.

7. ☐ The listed documents were brought to the attention of the Applicant(s) after payment of the issue fee in the captioned case. The documents were cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. Applicant(s) request this Information Disclosure Statement and attached Form PTO-1449 be placed in the file of the captioned application.
8. ☐ Applicant(s) request that the Information Disclosure Statement and attached Form PTO-1449 and references, which are being filed before the grant of the patent and pursuant to 37 C.F.R. § 1.97(i), be placed in the file of the captioned application.

CHANGE OF ADDRESS

The Patent Office is respectfully requested to direct all future correspondence for this case to the below-referenced address.

If any required fees are missing, the Commissioner is authorized to charge said fees to Conley, Rose & Tayon, P.C. Deposit Account No. 03-2769/5190-00107/JCH.

Respectfully submitted,



Jeffrey C. Hood
Reg. No. 35,198
Attorney for Applicant(s)

CONLEY, ROSE & TAYON, P.C.
P. O. BOX 398
AUSTIN, TEXAS 78767-0398
(512) 476-1400

Date: 4/11/2002

Form PTO-1449 (modified)
List of Patents and Publications
For Applicant's Information
Disclosure Statement
(Use several sheets if necessary)

ATTY. DOCKET NO: 5190-00107

SERIAL NO: 10/060,104

APPLICANT: Panak et al.

FILING DATE: January 29, 2002

GROUP: 2874

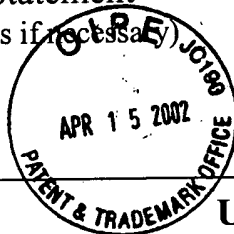
U.S. PATENT DOCUMENTS

EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
		5,121,243	6/9/92	Miyahira, et al.			12/28/90
		4,823,402	4/18/89	Brooks			4/21/86
		5,371,623	12/6/94	Eastmond, et al.			7/1/92
		5,343,287	8/30/94	Wilkins			4/5/93
		5,282,073	1/25/94	Defour, et al.			3/12/92
		5,297,144	3/22/94	Gilbert, et al.			1/22/91
		5,321,849	1/14/94	Lemson			5/22/91
		5,321,542	6/14/94	Freitas, et al.			11/8/93
		5,359,189	10/25/94	Savicki			3/29/93
		5,359,446	10/25/94	Johnson, et al.			9/10/92
		5,363,221	11/8/94	Sutton, et al.			10/16/92
		5,390,040	2/14/95	Mayeux			2/4/94
		4,533,247	8/6/85	Epworth			8/23/82
		4,627,106	12/2/86	Drake			9/17/84
		4,662,004	4/28/87	Fredriksen, et al.			12/17/84
		4,847,481	7/11/89	Altmann			12/28/87
		4,888,816	12/19/89	Sica, Jr.			1/5/89
		4,975,926	12/4/90	Knapp			3/30/89
		4,977,618	12/11/90	Allen			4/21/88
		4,982,445	1/1/91	Grant, et al.			11/21/88
		4,987,607	1/22/91	Gilbreath, et al.			9/9/88
		5,068,916	11/26/91	Harrison, et al.			10/29/90

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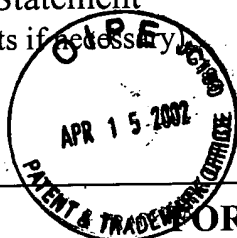
GROUP: 2874

U.S. PATENT DOCUMENTS

		5,087,982	2/11/92	Smothers			11/14/90
		5,090,795	2/25/92	O'Meara, et al.			11/10/89
		5,099,346	3/24/92	Lee, et al.			1/27/88
		5,191,461	3/2/93	Cranshaw, et al.			5/16/91
		5,198,918	3/30/93	Freitas, et al.			10/29/90
		5,229,593	7/20/93	Cato			10/8/91
		5,247,380	9/21/93	Lee, et al.			3/17/92
		5,060,304	10/22/91	Solinsky			
		5,218,467	06/08/93	Ross et al.			
		4,090,067	5/16/78	Bell, III et al.			
		5,493,436	2/20/96	Karasawa et al.			
		5,247,381	9/1993	Olmstead et al.			
		4,796,301	1/1989	Uzawa et al.			
		4,727,600	2/1988	Avakian			
		4,358,858	11/1982	Tamura et al.			
		6,239,888	5/29/01	Willebrand			
		5,455,672	10/3/95	Lamonde, et al.			
	A1	3,492,484	01/27/70	Michiaki Ito			
	A2	3,824,597	07/16/74	Berg			
	A3	5,545,955	08/13/96	Wood			
	A4	5,737,690	04/07/98	Gutman			
	A5	5,748,813	05/05/98	Cassidy			

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FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION. YES/NO
		1018326	1/1989	JP			
	A6	0631401A1	06/21/94	EPO			
	A7	0653852A1	11/15/94	EPO			

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

		Marketing Brochure entitled "Atmospheric Infrared Transmission for Data/Voice", American Laser Systems, Inc., 2 pps.
		"VIPSLAN-10", JVC Marketing Information, 6 pps.
		"VIPSLAN-10 Streaks Off the Wire", LAN Magazine, September 1995, 2 pps.
		"Omnibeam 4000", The Solutions Group, Advanced Network Solutions, 1995, 2 pps.
		United States Statutory Invention Registration for "Covert Beam Projector", Reg. No. H299, Miller, Jr., July 7, 1987.
	✓	Lehmann, R., "Brueckenschlag," Nachrichten Elektronik UND Telematik, vol. 50, no. 3, March 1, 1996, pp. 26-27.
		International Search Report for PCT/US 97/04935 dated July 18, 1997.
		Sladek, "Vier-Strahl-Technik Macht Uebertragung Sicherer," Nachrichten Elektronik und Telematik, Vol. 50, No. 8, August 1996, pp. 32-33.
		Kube, "Renaissance Eines Alten Konzepts," Nachrichten Elektronik und Telematik, Vol. 49, No. 5, May 1995, pp. 15, 16, and 18.
		International Search Report, Application No. PCT/US99/14710, mailed March 8, 2000.
		AstroTerra Corp, "Additional Services," website: http://www.photon.com/matsueda/Ast.../Additional%20Services/addserv.htm , 1996, 2 pages.
		AstroTerra Corp, "Product Information, TerraLink 1000™ Series," website: http://www.photon.com/matsueda/Ast...a/Product%20Info/T_1000/t_10000.htm , 1996, 2 pages.
		AstroTerra Corp, "Product FAQ, Frequently Asked Questions," website: http://www.photon.com/matsueda/AstroTerra/FAQ/faq.htm , 1996, 5 pages.

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

A8	International Search Report for PCT/US99/15973 dated July 15, 1999.
A9	Electronics Letters, Vol. 26, No. 18 dated August 30, 1990.
A10	Bernard J. Klein and John J. Degnan "Optical Antenna Gain - 1: Transmitting Antennas, Applied Optics, Vol. 13, No. 9, September 1974.
A11	John J. Degnan and Bernard J. Klein "Optical Antenna Gain - 2: Receiving antennas, Applied Optics, Vol. 13, No. 10, October 1974.
A12	N. J. Frigo et al. "Demonstrationn of Performance-Tiered Modulators in a WDM PON with a Single Shared Source," Proc. 21st Eur. Conf. On Opt. Comm (ECOC'95 - Brussels) pgs. 441-444.

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.

Information Disclosure Statement--PTO 1449 (modified)
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